

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US03/07658

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/04; C12N 9/12; C12Q 1/42, 1/48

US CL : 435/15, 21, 194; 536/23.2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/15, 21, 194; 536/23.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST, CHEMICAL ABSTRACTS, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | US 6,200,768 B1 (MANDELKOW et al.) 13 March 2001, see column 1 last paragraph bridging to column 2, column 2 lines 52-55, column 7 lines 38-53, column 12 lines 50-53, column 44 lines 28-30. | 1-16 |
| X | US 6,277,56 B1 (BEACHY et al.) 21 August 2001, see column 2 lines 50-58, column 3 lines 44-59, column 10 last paragraph, column 17 lines 13-29. | 1-16 |
| A/E | US 6,376,205 B1 (WISCHIK et al.) 23 April 2002, see column 3 last full paragraph. | 1-16 |
| T/P | US 6,541,468 B1 (RODER et al.) 01 April 2003, see column 1 lines 49-55. | 1-16 |

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

| | | |
|---|-----|--|
| * Special categories of cited documents: | "T" | later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "X" | document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "E" earlier document published on or after the international filing date | "Y" | document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "&" | document member of the same patent family |
| "O" document referring to an oral disclosure, use, exhibition or other means | | |
| "P" document published prior to the international filing date but later than the priority date claimed | | |

Date of the actual completion of the international search

09 JULY 2003

Date of mailing of the international search report

11 AUG 2003

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| P, Y | SCOTT B. Protein Phosphatase 2A Methylation. FEBS Letters 2002. Vol. 518, No. 1-3, pages 1-4. | 1-16 |
| X | FLOER M. Carboxyl Methylation of Protein Phosphatase 2A From Xenopus Eggs is Stimulated by cAMP and Inhibited by Okadaic Acid. Biochem and Biophysical Res Com. January 1994. Vol. 198, No. 1, pages 372-379. | 1-16 |
| X | LEE J. A Specific Protein Carboxyl Methyltransferase That Demethylates Phosphoprotein Phosphatase 2A in Bovine Brain. Proc Natl Acad Sci USA. June 1996. Vol. 93, No. 12, pages 6043-6047, see particularly on page 6046 Fig. 4. | 1-16 |
| A | WU J. Carboxyl Methylation of the Phosphoprotein Phosphatase 2A Catalytic Subunit Promotes its Functional Association with Regulatory Subunits. The EMBO Journal. 2000. Vol. 19, No. 21, pages 5672-5681, see entire article. | 1-16 |
| A | TOLSTYKH T. Carboxyl Methylation Regulates Phosphoprotein Phosphatase 2A by Controlling the Association of Regulatory B Subunits. The EMBO Journal. 2000. Vol. 19, No. 21, pages 5682-5691, see entire document. | 1-16 |
| Y | WO 01/57535 A2 (RODER) 09 August 2001, see page 5 last paragraph. | 1-16 |
| Y | JP 2000-37188 A (MANDELKOW et al.) 08 February 2000, see abstract. | 1-16 |
| P, X | FR 2,827,866 A1 (GARCIA) 31 January 2003, see abstract. | 1-16 |

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